

HUMAN NMDAR1 cDNAs

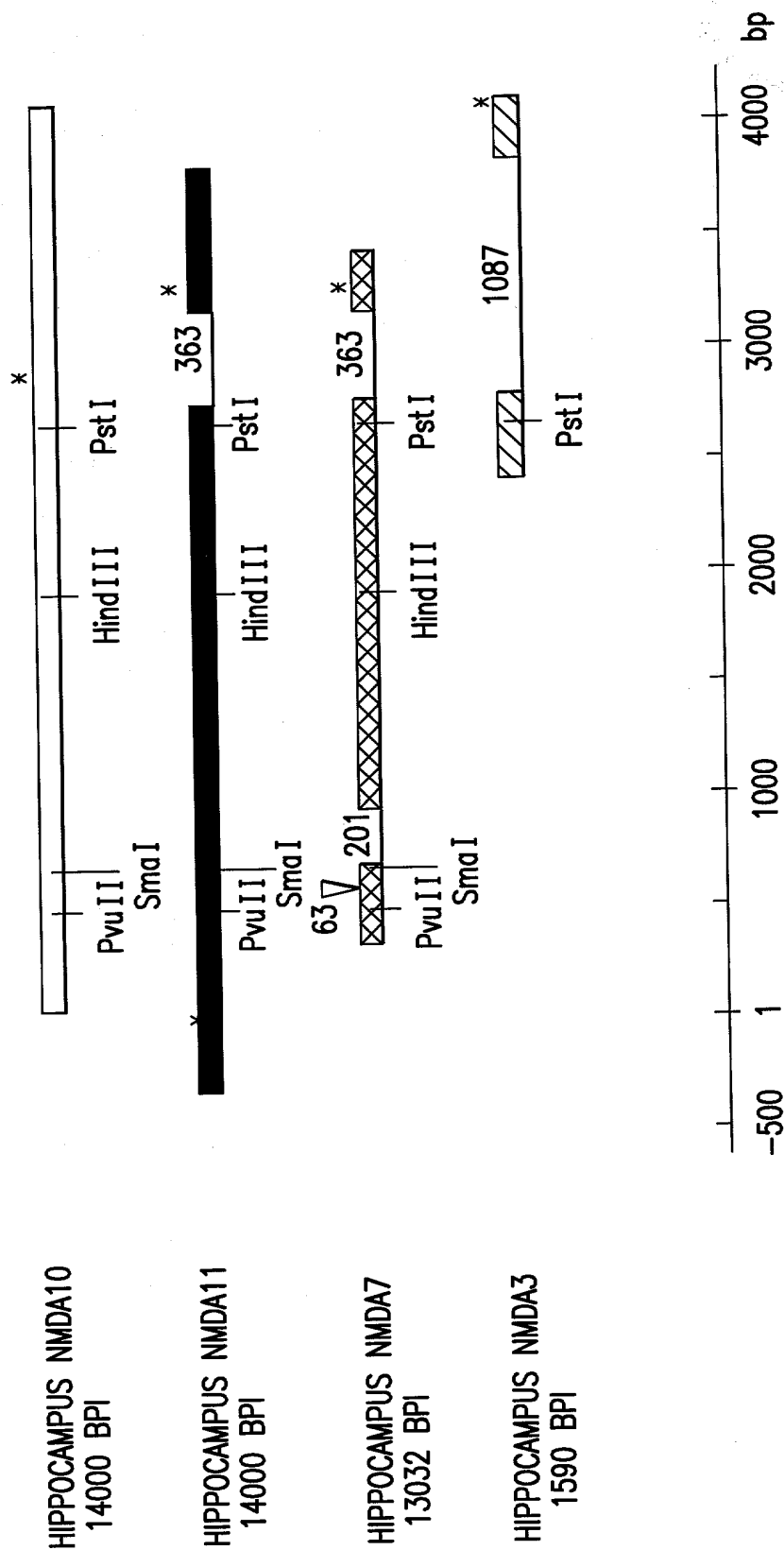


FIG.1

HUMAN NMDAR1A CONSTRUCTS

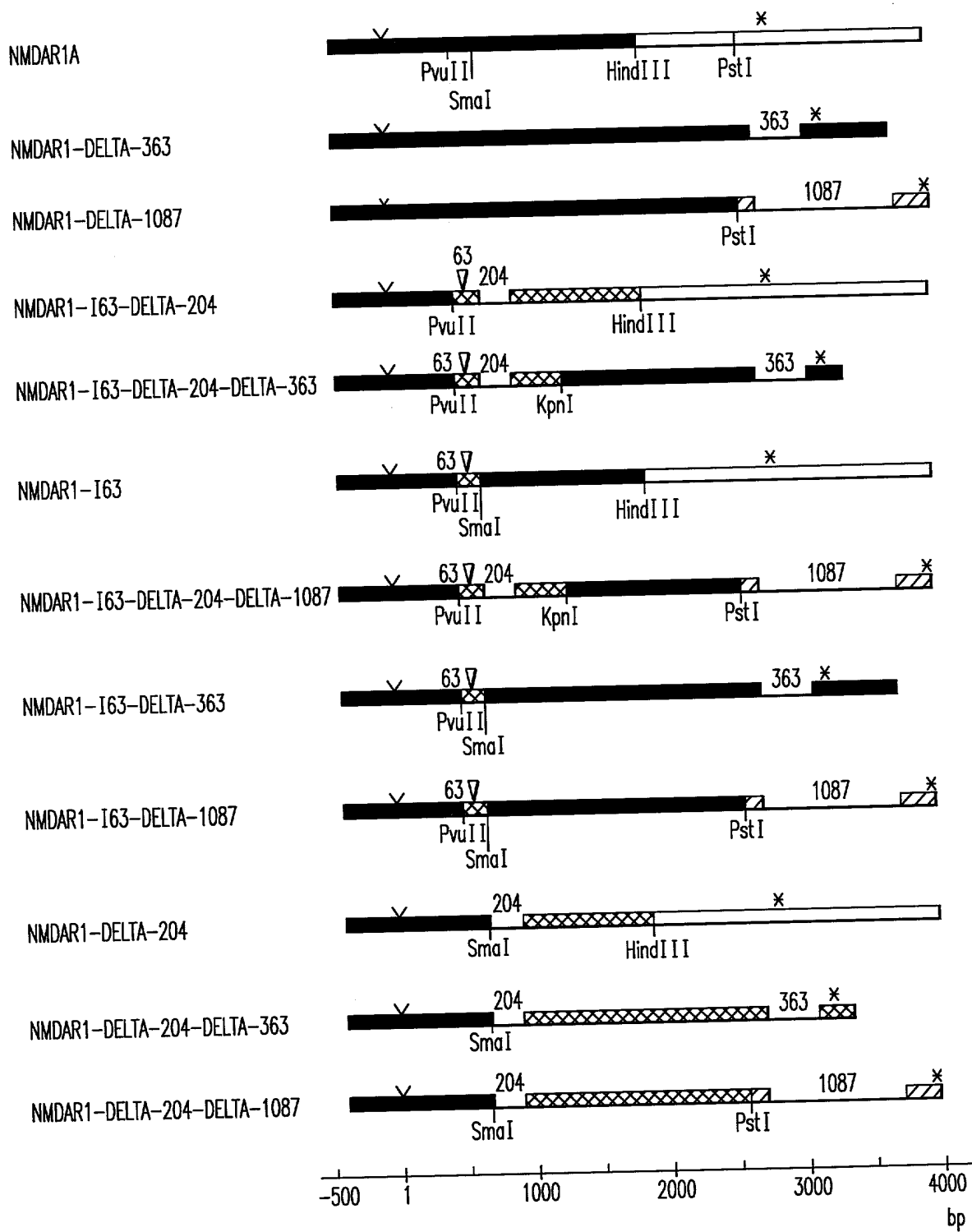


FIG.2

NUCLEOTIDE SEQUENCE OF THE HUMAN NMDARIA RECEPTOR

1 ccagccgggc gttcgagct gtcccggcc cggcttcag ccgcccggc ggcggggcgt cgtggggctg agccggcagc ccccgcgac gcttcagccc
101 ccttccctc ggcgacgtc ccgggacgc cgtcccggtt ggcgagtc gtccgagcc cgcggggcgt ggcggggcgt ggcggggcgt ggcggggcgt
- START
201 gggggatgc ccgagggccc cgcgttcgc cgcggcaggt ccgcccggc cgcggcagcc cgcggcagcc cgcggcagcc cgcggcagcc cgcggcagcc
301 TCCTGCTCG TCGCCGTCG CCGGTGGAC CCAAGATCG TCAACATGG CCGGTGCTG AGCAGCGGA AGCAGCGGA GATGTTCCG GAGCCGCTGA
401 ACCAGGCCAA CAAGCGGCAC GGCTCCTGA AGATTGAGT CAATGCCACC TCGGTACGC ACAAGCCCAA CCGCATCCG ATGGCTCTGT CCGGTGCGA
501 GGACTCATC TCCAGCCAGG TCTAGCCAT CCTAGTAGC CATCCACCTA CCCCCAAGA CCATTTCAT CCCACCCCTG TCTCTACAC AGCGGGCTTC
601 TACGCATAC CCGTGTCTGG GCTGACCACC CCGATGTCCA TCTACTGGA CAAGAGCATC CACCTGAGT TCTGCGCAC CGTGCGGCC TACTCCACAC
Pvu II
701 AGTCAGCGT GTGGTTGAG ATGATCCGT TCTACAGCTG GAACACATC ATCCTGCTGG TCAGCGAGCA CCACGAGGG CCGCGGGCTC AGAAAGCCT
-63 bp INSERT
801 GCAGAGCTG CTGAGGAGC GTGAGTCAA GGCAGAGAAG GTGCTGAGT TTGACCCAGG GACCAAGAAC GTGACGCCCC TGTGATGA GGCAGAAAGAG
Sma I
901 CTGAGGCCG GGTTCATCAT CCTTCTGCCC AGCGAGGAGC ATGCTGCCAC TGTATACCGC GCAGCGCGGA TGCTGAACAT GACGGCTCC GGGTACGTGT
BgIII
1001 GGCTGGTCG CGAGCCCGAG ATCTCGGGG AGCCCTGCG CTAGCCCCA GAGCGCATCC TCGGGCTGCA GCTCATCAAC GGCAGAAAG AGTCGGCCCCA
1101 CATCAGGAC GCGGTGGCG TGGTGGCCA GCGGTGCCAC GAGCTCCTCG AGAAGGAGAA CATCACCGAC CCGCCGCGCG GCTGGTGG CAACACCAAC
1201 ATCTGGAAGA CCGGCGCGCT CTTCAAGAGA GTGCTGATG CTTCAGATA TCGCGATGG GTGACTGCTC GGTGGAGTT CAATGAGCAT GGGGACCGGA
1301 AGTTGCCAA CTACAGCATC ATGAACCTGC AGAACGCAA GCTGTGCAA GTGGCATCT ACAATGGCAC CCACGTCATC CCTAATGACA GGAAGATCAT
Kpn I
1401 CTGGCCAGC GGAGAGACAG AGAGCCCTCG AGGTACCAG ATGTCCACCA GACTGAAGT TGTGACGATC CACCAGGAGC CCTTGTGTA CGTCAAGCCC
1501 AGCCTGAGT ATGGACATG CAAGGAGAG TTACAGTCA AGCGGACCC AGTCAAGAAG GTGATCTGCA CCGGGCCCAA CGACAGTGG CCGGGCAGCC
1601 CCGCCACAC GTGCTCAG TGTGCTAGG GCTTTGAT CAGCTGCTC ATCAGCTGG CAGGACCAT GAACTTACCC TACGAGGTGC ACCTGGTGG
1701 AGATGGGAG TTGGCACAC AGGAGCGGT GAACAACAGC AACAGAAG AGTGAATGG GATGATGGC GAGTGTCTCA CCGGGCAGCC AGACATGATC
1801 GTGGGCGCG TAACATAA CAACGAGCG GCGCAGTACA TCGAGTTTC CAAGCCCTTC AAGTACCAGG GCTGACTAT TCTGTCAAG AAGGAGATTC
1901 CCGGAGCAC GCTGACTCG TTATGACG CGTTCAGAG CACACTGCG CTGCTGGTG GCGTGTGGT GCAGTGGTG GCGTGTATG TGTACCTGCT
2001 GGACCGCTC AGCCCTTCG GCGGTTCAA GGTGAACAGC GAGGAGAGG AGGAGAGCC ACTGACCCCTG TCCTCGGCCA TGTGTTCTC CTGGGGGCTC

204 bp
DELETION

FIG.3A

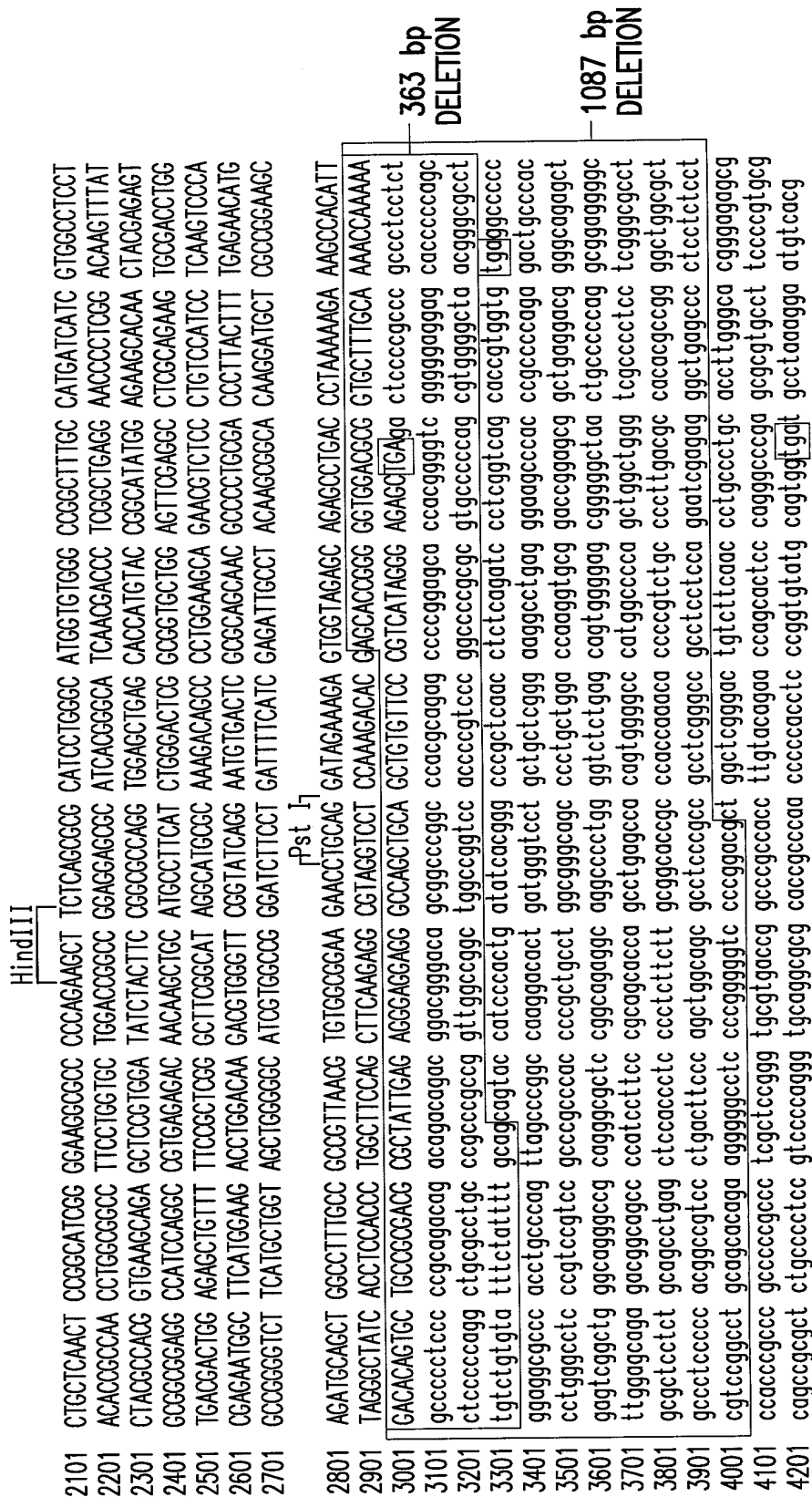


FIG.3B

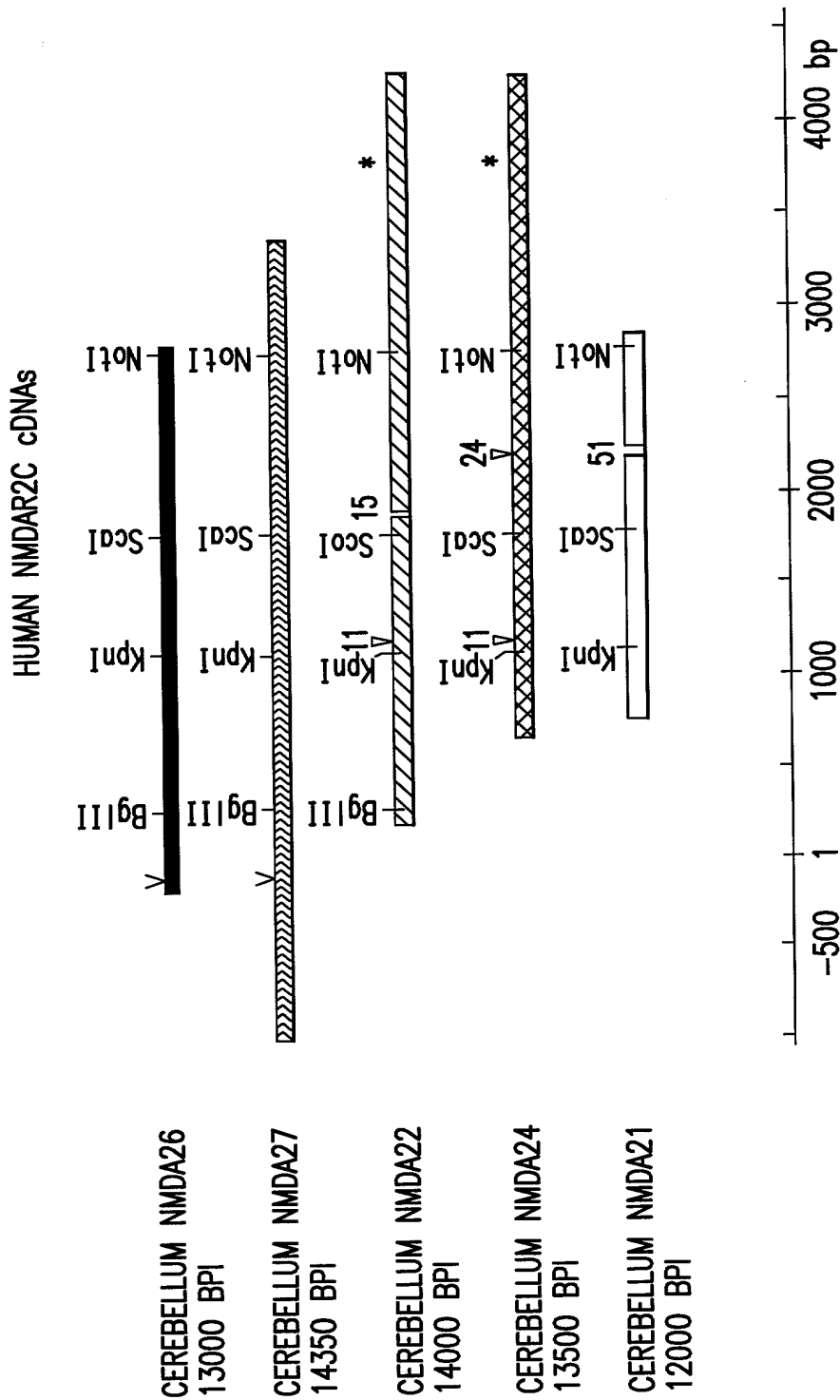


FIG.4

CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

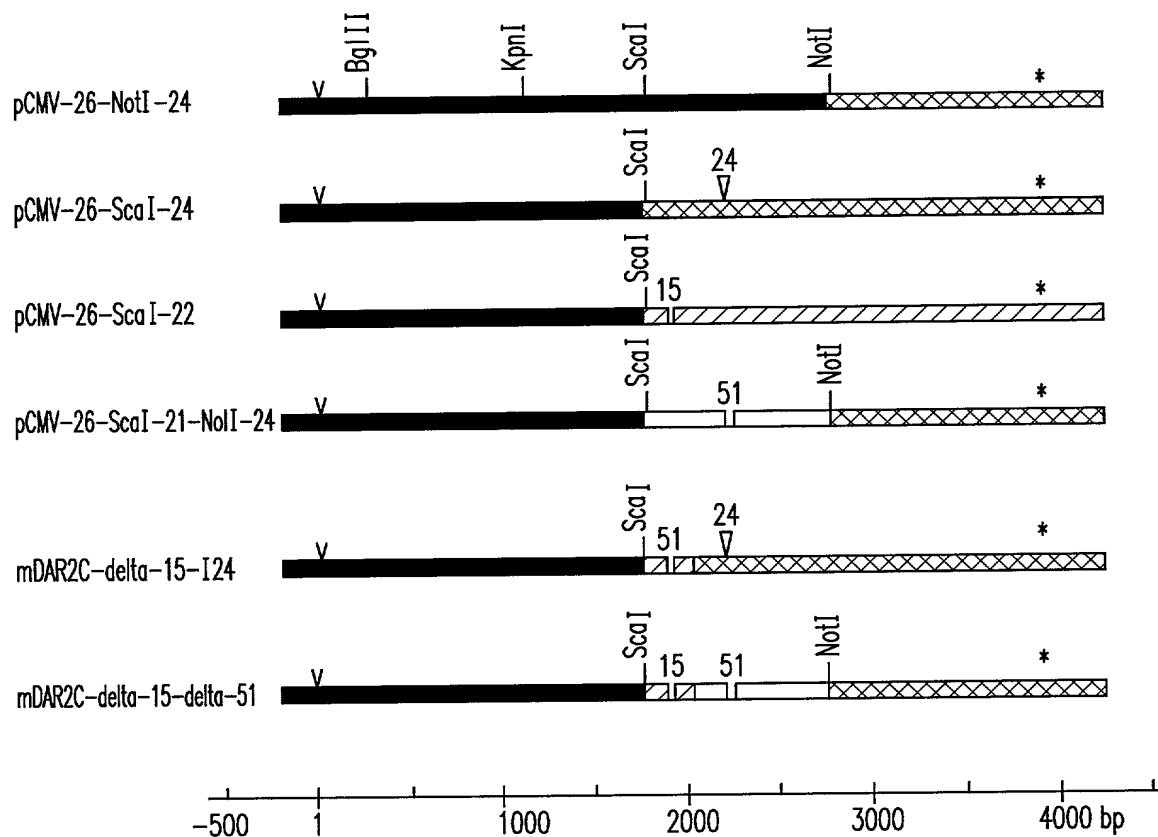


FIG.5

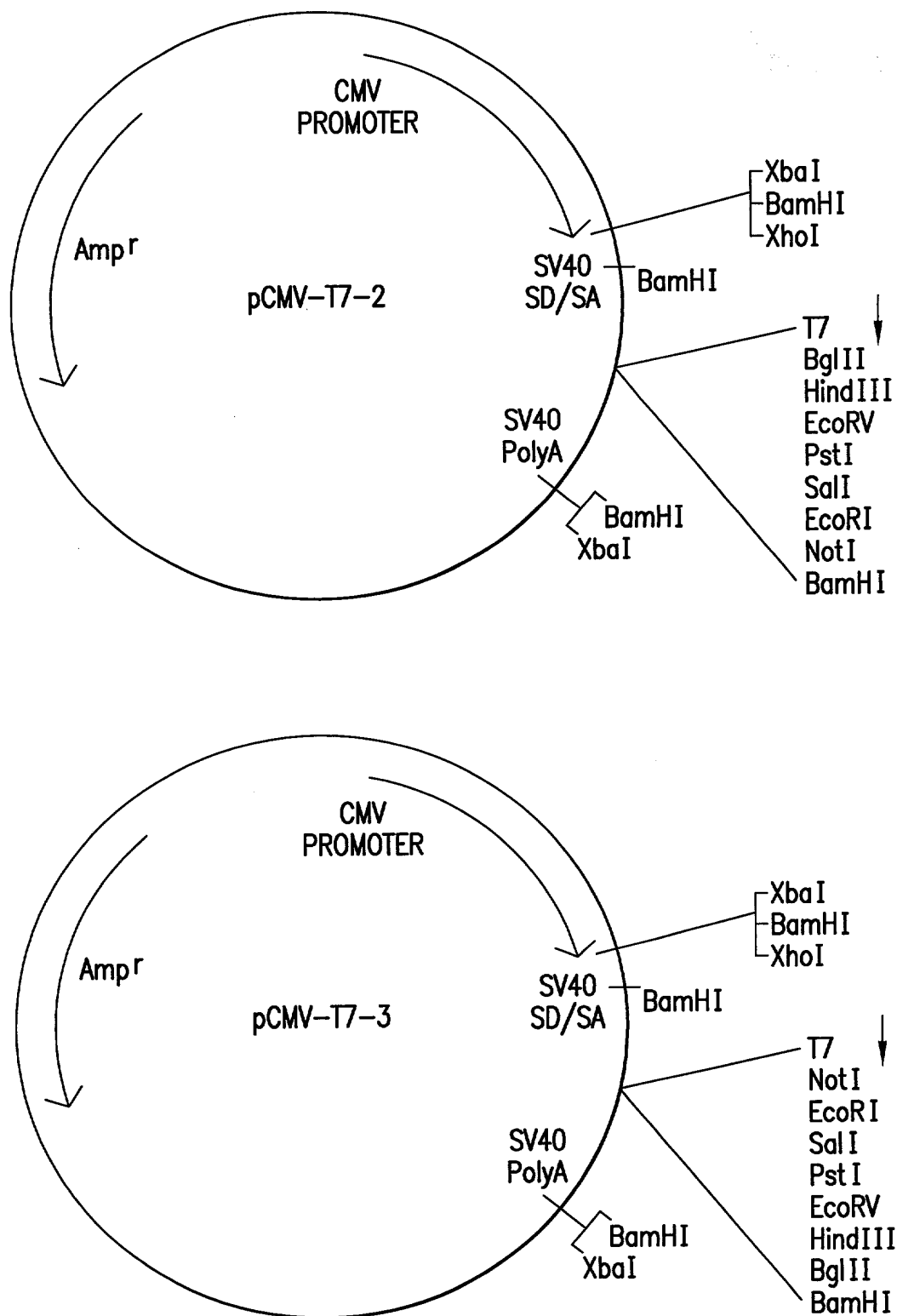


FIG.6